

We claim:

1. An apparatus for compressing objects, comprising:

a base plate;

a frame disposed on said base plate;

a ram displaceably guided on said frame; and

a ram head attached to said ram and rotatable relative to said frame, said ram head having a centrally disposed bolt, said bolt having one end rotationally connected to said ram for rotationally mounting said ram head on said ram, and said bolt having another end with a threaded extension to be rotationally fixed to said ram head for exchanging said ram head.

2. The apparatus according to claim 1, wherein said bolt is prestressed.

3. The apparatus according to claim 2, wherein said bolt has a prestress greater than a force due to a weight of said ram head.

4. The apparatus according to claim 1, including a disk and studs supporting said one end of said bolt on said ram.

5. The apparatus according to claim 4, wherein said bolt is rotatable relative to said disk.

6. The apparatus according to claim 4, including another disk resting on said ram, said studs supported on said other disk.

7. The apparatus according to claim 4, wherein said studs for supporting said ram head are engaged in an encircling groove.

8. The apparatus according to claim 4, including at least one plate spring prestressing a respective one of said studs.

9. The apparatus according to claim 1, including an extension mutually centering said ram and said ram head.

10. The apparatus according to claim 1, wherein said ram is substantially vertically movable hydraulically with said ram head, with only said ram head being rotatable relative to said frame.

11. A high-pressure press for compressing objects, the press comprising:

a base plate;

a frame disposed on said base plate;

a ram displaceably guided on said frame; and

a ram head attached to said ram for rotation relative to said frame, said ram head having a centrally disposed bolt with one end rotationally connected to said ram for rotationally mounting said ram head on said ram.

12. The high-pressure press according to claim 11, wherein said bolt has another end with a threaded extension to be rotationally fixed to said ram head for exchanging said ram head.

13. The high-pressure press according to claim 11, wherein said ram is hydraulically actuated.

14. The high-pressure press according to claim 11, wherein the objects are containers containing bulky parts.